

SHULESHKIN, A.V.; YASHUNSKIY, R.G.

Keeping records on and analysing the use of equipment in mass production.  
Avt.trakt.prom. no.7:3-6 JI '53. (MLBA 6:8)

1. Ministerstvo mashinostroyeniya.  
(Machinery in industry) (Production control)

SHULESHKIN, A.V., inzh.; GROMOV, N.V., inzh.

Increasing the precision of selecting technological bases for  
machining body parts. Vest.mash. 40 no.6:60-67 Je '60.

(MIRA 13:8)

(Metal cutting)

WILLIAMS, E. C.

Cotton Machinery

Main working machine with all-metal serrated head for reprocessing fine-fibered cotton.  
Fabr. proc., 10, No. 4, 1951.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

SHULESHKO, I. S.

Name: SHULESHKO, I. S.

Dissertation: Finding the optimal parameters of servicing drawing frames  
in processing staple fiber

Degree: Cand Tech Sci

*Defended at*  
Affiliation: Min Higher Education USSR, Leningrad Textile Inst imeni  
S. M. Kirov

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Defense Date, Place: 1956, Leningrad

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SHULESHKO, I.S., inahener.

~~\_\_\_\_\_~~  
Making slivers from staple fiber in a single operation, Tekst.  
prom. 17 no.5:21-25 My '57. (MLRA 10:6)  
(Rayon spinning)

KOPELEVICH, E.A., avtor konstruktzii; SHULESHKO, I.S., inzhener; YERMOLOV, G.A., kandidat tekhnicheskikh nauk; BELOUSOVA, S.M., inzhener.

Small ChMM-450 carding machine. Tekst. prom. 17 no.7:22-29 J1 '57.  
(MLRA 10:9)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya (for Shuleshko).

(Carding machines)

SHULESHKO, I.S.

Effectiveness of using ring-type balloon limiters. Tekst. prom.  
18 no.9:57-59 S '58. (MIRA 11:10)  
(Spinning machinery)

SHULESHKO, I.S., kand.tekhn.nauk

Separation of card sweeps on carders. Tekst.prom. 20 no.9:17-20 S  
'60. (MIRA 13:10)

(Carding machines)

(Cotton waste)



PEREPELKINA, M.D., nauchnyy sotrudnik; GUBINA, R.S., nauchnyy sotrudnik;  
Prinimali uchastiye: SHULESHKO, I.S., kand.tekhn.nauk;  
KRZHIZHANOVSKIY, K.I.; DOROGOY, Ye.V.; LITICHEVSKIY, M.V.

Effect of certain factors on the characteristics of nonwoven  
fabrics manufactured by the knit-and-stitch method. Tekst.  
prom. 22 no.12:48-52 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva (for Perepelkina, Gubina). 2. Nachal'nik pryadil'nogo sektora spetsial'nogo konstruktorskogo byuro tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva (for Shuleshko). 3. Glavnyy inzh. tekstil'noy fabriki im. Nogina (for Krzhizhanovskiy). 4. Starshiy inzh. spetsial'nogo konstruktorskogo byuro trikotazhnykh mashin Leningradskogo soveta narodnogo khozyaystva (for Litichevskiy).  
(Nonwoven fabrics)

SHULESHKO, I.S., kand. tekhn. nauk

Ways to increase the operative efficiency of cards. Tekst. prom.  
23 no.9:48-52 S '63. (MIRA 16:10)

1. Nachal'nik pryadil'nogo otdela Leningradskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (LenNIITP).  
(Carding machines)

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tekh.ekon.inform.Gos.nauch.-issl.inst. nauch.i tekhn.inform. 17-no.10:  
71-74 0 '64. (MIRA 18:4)

SHULESHKO, R.P.

Exposure of flakes by the method of magnetic flaw detection. Zav.lab.  
28 no.8:970 '62. (MIRA 15:11)

1. Chelyabinskiy metallurgicheskiy zavod.  
(Steel--Testing)

TOPCHIEV, A.V.; PAUSHKIN, Ya.M.; BAYEV, I.F.; KURASHEV, M.V.; SHULESHOV, O.I.

Present status of the synthesis of benzene homologs and their chemical processing. Trudy MINKHIGP no.24:269-285 '59.

(MIRA 13:3)

(Benzene)

26(1)

PHASE I BOOK EXPLOITATION

SOV/2321

Shuleshov, Viktor Fedorovich

Korabel'nyye gazovyye turbiny (Marine Gas Turbines) Moscow, Voenizdat, 1958. 247 p. (Series: Bibliotekha v pomoshch' ofitseru VMF) Number of copies printed not given.

Ed.: D.D. Kulinich; Tech. Ed.: M.P. Zudina.

PURPOSE: This book is intended for naval officers, electricians, and other navy personnel. It may also be of use to students in nautical schools and ~~technical~~ <sup>technical</sup> schools and to general readers.

COVERAGE: The author presents basic theoretical principles of marine gas turbine units, and familiarizes the reader with constructional features of turbines (those in operation and those under development outside the Soviet Union) and with special features of their use in ships. Various features of axial and centrifugal compressors, combustion chambers, and other auxiliary equipment are described. The last chapter is devoted to the prospects of using gas turbines in atomic power plants for ships. No personalities are

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mentioned. There are 20 references: 12 Soviet and 8 English.

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AVAILABLE: Library of Congress (VM740.S5)

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21-10-59

KUZ'MINOV, Grigoriy Petrovich, dots., kand. tekhn. nauk; BEL'SKIY, I.R.,  
prof., kand. tekhn. nauk, retsenzent; BUKREYEV, B.A., retsenzent;  
ROBIN, V.A., dots., kand. tekhn. nauk, retsenzent; SHULESHOV,  
V.F., dots., kand. tekhn. nauk, retsenzent; YAKOVLEV, N.A.,  
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[Thermal electric power plants in the lumbering industry] Teplo-  
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2. Nachal'nik otdela energetiki Gosudarstvennogo instituta po  
proyektirovaniyu lesnogo transporta (for Yakovlev).  
(Electric power plants) •

SHULESHOVA, A. Ye.

Cand Med Sci - (diss) "External rotation of the fetus by the head as a method of prophylaxis of complications in births." Khar'kov, 1961. 14 pp; (Ministry of Public Health Ukrainian SSR, Khar'kov State Med Inst); 200 copies; free; (KL, 10-61 sup, 227)

SHULEV, A.A.

Characteristics of urolithiasis in Chardzhou Province.  
Zdrav. Turk. 7 no.4:21-28 Ap'63. (MIRA16:6)

1. Iz khirurgicheskogo otdeleniya Chardzhouskoy oblastnoy  
bol'nitsy (glavnyy vrach D.N.Niyazkulov, nauchnyy rukovo-  
ditel' - chlen-korrespondent AMN SSSR prof. I.F.Berezin).  
(CHARDZHOU PROVINCE—CALCULI, URINARY)

ACC NR: AR6016523

SOURCE CODE: UR/0276/65/000/012/B022/B023

AUTHOR: Shulev, G. S.

TITLE: Using ferromagnetic materials in a magnetic field to finish the precision pairs in diesel fuel systems

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 12B162

REF SOURCE: Sb. Materialy 2-go Mezhdoved. soveshchaniya po izuch. i normir. izno-  
sov sud. dvigateley vnutr. sgoraniya, 1963. M., Pishch. prom-st', 1964, 82-90

TOPIC TAGS: ferromagnetic material, electromagnet, precision finishing, engine fuel system

ABSTRACT: The author describes a new technological process for finishing the pre-  
cision pairs of diesel fuel systems which combines high productivity with high dura-  
bility of the machined surfaces. The process consists of placing the fuel pump ||  
plunger between the cores of two electromagnets with a certain gap. The windings on  
these cores are connected so that the induced magnetic flux pierces the workpiece  
diametrically. A hard ferromagnetic powder (ferrotungsten, ferroboron, iron boride,  
etc.) is fed into the gaps. The component is moved in a complex pattern (rotational  
motion about the axis and oscillatory motion along the axis). Due to the lines of  
magnetic induction, the sharpest edges of the abrasive ferromagnetic particles used  
for cutting will be turned toward the workpiece and core. The magnetic field keeps

UDC: 621.436.002.2

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ACC NR: AR6016523

the cutting element constantly oriented in such a way that the surface of the work-  
piece is finished by the sharp cutting edges. This increases machining productivity  
by a factor of 6-10 in comparison with presently used methods. At the same time, a  
high surface finish of the 13-th class is produced. The following optimum machining  
conditions for plungers were found. A workpiece rotation of 1,000-2,250 rpm, 650-  
1,100 oscillations per minute at an amplitude of 3-5 mm, magnetic field strength of  
2,000-3,500 gauss, machining duration of 5-7 min. The microhardness and durability  
of the component are simultaneously increased under the action of the magnetic field.  
The proposed process is also used for renovating worn fuel system components. A  
kinematic diagram is given of the machine tool used for finishing plungers in a mag-  
netic field. 3 illustrations. L. Tsukerman. [Translation of abstract]

SUB CODE: 13

Card 2/2

L 04050-67 EWP(c)/EWP(v)/EWT(d)/EWT(m)/EWP(h)/T/EWP(l)/EWP(e)/EWP(v)/EWP(t)/ET

ACC NR: AR6016523 IJP(c) AT/WE/AD/DJ/WE/JD/JG SOURCE CODE: UR/0276/65/000/012/B022/B023

AUTHOR: Shulev, G. S.

TITLE: Using ferromagnetic materials in a magnetic field to finish the precision pairs in diesel fuel systems

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 12B162

REF SOURCE: Sb. Materialy 2-go Mezhdved. soveshchaniya po izuch. i normir. iznosov sud. dvigateley vnutr. sgoraniya, 1963. M., Pishch. prom-st', 1964, 82-90

TOPIC TAGS: ferromagnetic material, electromagnet, precision finishing, engine fuel system

ABSTRACT: The author describes a new technological process for finishing the precision pairs of diesel fuel systems which combines high productivity with high durability of the machined surfaces. The process consists of placing the fuel pump plunger between the cores of two electromagnets with a certain gap. The windings on these cores are connected so that the induced magnetic flux pierces the workpiece diametrically. A hard ferromagnetic powder (ferrotungsten, ferroboron, iron boride, etc.) is fed into the gaps. The component is moved in a complex pattern (rotational motion about the axis and oscillatory motion along the axis). Due to the lines of magnetic induction, the sharpest edges of the abrasive ferromagnetic particles used for cutting will be turned toward the workpiece and core. The magnetic field keeps

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the cutting element constantly oriented in such a way that the surface of the work-piece is finished by the sharp cutting edges. This increases machining productivity by a factor of 6-10 in comparison with presently used methods. At the same time, a high surface finish of the 13-th class is produced. The following optimum machining conditions for plungers were found. A workpiece rotation of 1,000-2,250 rpm, 650-1,100 oscillations per minute at an amplitude of 3-5 mm, magnetic field strength of 2,000-3,500 gauss, machining duration of 5-7 min. The microhardness and durability of the component are simultaneously increased under the action of the magnetic field. The proposed process is also used for renovating worn fuel system components. A kinematic diagram is given of the machine tool used for finishing plungers in a magnetic field. 3 illustrations. L. Tsukerman. [Translation of abstract]

SUB CODE: 13

kh

C. 2/2

SHULEV, L., inzh.

Lines to follow in electric-power supply of a dwelling complex in  
Eastern Germany. Elektroenergiia 13 no.4:27-28 Ap '62.

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(Veterinary)

"Chemotherapy of Theileriasis With 7-Aminoquin-  
acrine," A. I. Shmulevich, N. N. Baboshina,  
M. A. All-Zade

"Veterinariya" Vol XXVIII, pp 31-33

7-Aminoquinacrine (A-5), originally synthesized  
by A. M. Grigorovskiy and Ye. M. Terent'yev,  
was found to be effective and harmless chemo-  
therapeutic in treatment of cattle naturally or  
experimentally infected with Theileria annulata.  
Recovery among naturally infected animals was

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USSR/Medicine - Infectious Diseases Apr 51  
(Veterinary) (Contd)

85%. A-5 was least toxic of all acridine deriva-  
tives tested, its tolerated dose being twice that of acri-  
dine and considerably higher than that of  
quinacrine.

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SHULEVICH A. L.

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[Agricultural mapping of the area of a collective and  
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SHULEIKIN, G. W. *Elektravvaz.* No. 2, pp. 39-43,  
Feb., 1941.—The article gives methods for calculating  
the electrical power necessary to melt ice formed  
on aeriaks. Limiting values for the heating current  
are given, which guarantee that the aerial or its  
component parts are not over-heated. It is shown  
that a rel. small power is sufficient to prevent ice  
formation, a power which most radio stations are  
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← General  
Antennas  
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Card. Tech. Sci.

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(Agricultural--Safety measures)  
(Agricultural machinery industry)

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[Intensive farming systems and rotation of crops]Intensivnye  
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(Rotation of crops)

DMITRIYEV, Vladimir Dmitriyevich; SHULEYKIN, P.A., red.; RAKITIN,  
I.T., tekhn. red.

[Grain is the wealth of our country; a book about those who  
are working today on the production of new, valuable and  
high-yielding wheat varieties] Zenro - bogatstvo nashei stra-  
ny; kniga o tekh, kto zaniat v nashi dni sozdaniem novykh,  
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(MIRA 15:8)

(Fishponds)

UL'YANOV, Ivan Pavlovich; SHULEYKIN, P.A., red.; NAZAROVA, A.S., tekhn.  
red.

[Wages on a collective farm]Oplata truda v kolkhoze. Moskva,  
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Sel'skokhoziaistvennyi fakul'tet, no.9) (MIRA 15:9)  
(Collective farms--Income distribution)



TYUTYUNIKOV, Anatoliy Ivanovich, kand. sel'khoz. nauk; SHULEYKIN,  
P.A., red.; RAKITIN, I.T., tekhn. red.

[How to get high pea yields]Kak poluchit' vysokii urozhai  
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(Peas)

NAUMOV, Vladimilen Isakovich; STERKIN, Iosif Veniaminovich; LEONOVA,  
T.S., red.; SHULEYKIN, P.A., red.; RAKITIN, I.T., tekhn.  
red.

[Grain in armor] Zerno v brone. Moskva, Izd-vo "Znanie,"  
1962. 45 p. (Narodnyi universitet kul'tury. Sel'skokhoziai-  
stvennyi fakul'tet, no.10) (MIRA 15:11)  
(Corn (Maize))

SOKOLOV, Igor' Aleksandrovich; SHULEYKIN, P.A., red.; RAKITIN, I.T.,  
tekhn. red.

[Without manual labor]Bez ruchnogo truda. Moskva, Izd-vo  
"Znanie," 1963. 48 p. (Narodnyi universitet kul'tury: Sel'-  
skokhoziaistvennyi fakul'tet, no.2) (MIRA 16:1)  
(Farm mechanization)

SOLOPOV, Grigoriy Platonovich, kand. sel'khoz. nauk; ROZHKOV, M.I.,  
prof., red.; SHULEYKIN, P.A., red.; NAZAROVA, A.S., tekhn.  
red.

[The orchard bears fruit every year] Sad plodonosit ezhegodno.  
Pod red. M.I. Rozhkova. Moskva, Izd-vo "Znanie," 1963. 45 p.  
(Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'-  
tet, no.1) (Fruit culture) (MIRA 16:3)

KRUPENINA, Anna Petrovna, kand. sel'khoz. nauk; LOSHAKOV,  
Vladimir Grigor'yevich; VOROB'YEVA, S.A., prof., red.;  
SHULEYKIN, P.A., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Soil and postharvest crops] Zemlia i promezhutochnye  
kul'tury. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi  
universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet,  
no.4) (MIRA 16:3)

(Field crops)

VOYTOV, Pavel Ivanovich; SHULEYKIN, P.A., red.; RAKITIN, I.T.,  
tekhn. red.

[Chemistry and harvest] Khimiia i urozhai. Moskva, Izd-  
vo "Znanie," 1963. 30 p. (Narodnyi universitet kul'tury:  
Sel'skokhoziaistvennyi fakul'tet, no.6) (MIRA 16:5)  
(Agricultural chemicals)

KRONOV, Aleksandr Filippovich; SHULEYKIN, P.A., red.; ATROSHCHENKO,  
L.Ye., tekhn. red.

[At a new type of farm] Na ferme novogo tipa. Moskva, Izd-  
vo "Znanie," 1963. 39 p. (Narodnyi universitet kul'tury:  
Sel'skokhoziaistvennyi fakul'tet, no.5) (MIRA 16:6)  
(Dairying)

MARTYSHEV, Feorgiyevich, doktor sel'khoz. nauk; SHULEYKIN, P.A.,  
red.; RAKITIN, I.T., tekhn. red.

[Intensive forms of pond fish culture] Intensivnye formy  
prudovogo rybovodstva. Moskva, Izd-vo "Zdanie," 1963. 46 p.  
(Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fa-  
kul'tet, no.7) (MIRA 16:9)

(Fish culture)



SHMELEV, Geliy Ivanovich, kand. ekon. nauk; SHULEYKIN, P.A.,  
red.

[Fascinating bookkeeping; business accounting on a collective  
farm] Uvlekatel'naia bukhgalterii; o khoziaistvennom raschete  
v kolkhoze. Moskva, Izd-vo "Znanie," 1964. 71 p. (Narodnyi  
universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no.3)  
(MIRA 17:5)

BELICHENKO, Petr Paramonovich; VOROPAYEV, Vasiliy Ivanovich;  
SHULEYKIN, P.A., red.

[The cost of a centner of produce] Sebestoimost' tsent-  
nera produktsii. Moskva, Izd-vo "Znanie," 1964. 109 p.  
(Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi  
fakul'tet, no.6) (MIRA 17:7)

BELECHENKO, Petr Parmonovich; SHULEYKIN, P.A., red.

[Arithmetic of yields] Arifmetika urozhaia. Moskva,  
Izd-vo "Znanie," 1965. 79 p. (Narodnyi universitet:  
Sel'khoz. fakul'tet, no.4) (MIRA 18:6)

POLINA, Valentina Ivanovna, kand. ekon. nauk; SHULEYKIN, P.A.,  
red.

[Labor and wages] Trud i ego oplata. Moskva, Izd-vo  
"Znanie," 1965. 85 p. (Narodnyi universitet: Sel'sko-  
khoziaistvennyi fakul'tet, no.6) (MIRA 18:8)

DMITRASHKO, Ivan Ivanovich, kand. ekon. nauk; SHULEYKIN, P.A.,  
red.

[Specialization within a collective farm] Vnutriolkhoz-  
naia spetsializatsiia. Moskva, Znanie, 1965. 70 p.  
(Narodnyi universitet: Sel'skokhoziaistvennyi fakul'tet,  
no.7) (MIRA 18:7)

VOLOGDIN, Aleksandr Grigor'yevich; SEULEYKIN, P.A., red.

[The problem of fertilizers and "coal fertilizers"]  
Problema udobrenii i ugletuki. Moskva, Znanie, 1965.  
70 p. (Narodnyi universitet: Sel'skokhoziaistvennyi fa-  
kul'tet, no.9) (MIRA 18:9)

1. Chlen-korrespondent AN SSSR (for Vologdin).

BEZRODNYI, Pavel Porfir'yevich; SHULEYKIN, P.A., red.

[From foreign practices; about agriculture in Denmark, Sweden, and Norway] Iz zarubezhnogo opyta; o sel'skom khoziaistve Danii, Shvetsii i Norvegii. Moskva, Znanie, 1964. 79 p. (Narodnyi universitet: Sel'skokhoziaistvennyi fakul'tet, no.10) (MIRA 17:12)

KARZINKIN, Georgiy Sergeyevich; doktor biol. nauk; SHULEYKIN,  
P.A., red.

[Chemistry in fish culture] Khimija v rybovedstve. Mo-  
skva, Izd-vo "Znanie," 1965. 59 p. (Narodnyi universi-  
tet: Sel'skokhoziaistvennyi fakul'tet, no.11)  
(MIRA 18:10)



SHULEYKIN, S., komandir samoleta An-2, obshchestvennyy inspektor  
po bezopasnosti poletov (Ul'yanovsk)

Is a second pilot on the An-2 necessary? Grazhd. av. 22  
no.1:21 Ja '65. (MIRA 18:11)

*Shuleikin*

Shuleikin, Vladimir V. Novyi metod issledovaniia profilov voln. [A new method of investigation of wave profiles.] Moscow, *Moskhol Nauchnyi Institut*, Trudy, No. 5:8-10, 1923, 6p., refs., 2 cop. in Russian, German summary, p. 10. DLC—An optical method of studying wave profiles by noticing the variety in the reflection of the sun's or moon's rays from the sea surface is described. Observations may be made by means of photographic plates or directly through the use of a sextant. Subject heading: 1. Ocean wave measurement.

551.556:572.593:551.465

Shuleikin, V. V.

Shuleikin, V. V. "Present Problems of Geophysics." Nauchnoe Slovo, No. 6, 1930, pp. 76-97.

SHULEYKIN, V.V.

SA

# 52

1547. Theory of Monsoons. W. V. Shuleykin. *Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.* 17. 7. pp. 351-357, 1937. In English.—Continuing his work on the theory of monsoons (see Abstract 3973 (1937)) the author endeavours (1) to find quantitative connection between the dimensions of the sea (or continent) and such elements as the maximum velocity of the wind or the characteristic differences of temperature between the warmest part of the sea and the coldest portion of the continent; and (2) to investigate the monsoon field when the shape of the coast differs from the circular. Expressions are found giving the relations referred to in (1). To solve the problem in (2) the relation  $\text{grad } p = -\pi \text{ grad } \tau$ , discussed in the first paper of the series is used. There is found everywhere in agreement with this relation a striking likeness between climatological isobars and those of temperature isonomalies. Several special cases are investigated. At points where the gradients of temperature anomaly and so also those of pressure are high, monsoons get their birth. The strong winds and storms at the Cape of Good Hope arise in this way. Diagrams and charts illustrate the paper.

A. E. M. G.

SHULEYKIN, V.V.

A 52

4020. Drift of Ice-Fields. W. W. Shuleykin. *Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.* 19. 8. pp. 589-594, 1938. In English.—The theory relating ice drift velocity ( $u$ ) to wind velocity ( $V$ ) is established. It is found that when  $V$  is slight  $u/V$  tends to zero, but as  $V$  increases,  $u/V$  increases rapidly and then more slowly as the angle between the two directions approaches a limit. The results are compared with the motion of the Soviet Polar Drift Station. In the whole drift no traces are discovered of currents of non-drift origin. The East Greenland current is thus purely of drift origin caused by ice movement and this in turn set up by the monsoonal type of winds off the Greenland coast.  
R. S. R.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIAL INDEX

COMMON VARIABLE INDEX

1ST AND 2ND LETTERS												3RD AND 4TH LETTERS											
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X

SHULEYKIN, V. V.

"Temperature Waves in the Monsoon Field," "Comparative Dynamics of Sea Animals,"  
Dok. AN 22, No. 7, 1939.

Corr. Mbr., Acad. Sci.; Black Sea Hydrophysical Sta. Simeis, Kaziveli. Inst. of Theo-  
retical Geophysic Dept. of Physics of the Sea.

SHULEYKIN, V. V.

"A More Precise Determination of Humidity from the Records of Aerological Sounds," Dok. AN 23, No. 6, 1939.

Department Physics of the Sea. Inst. Theoretical Geophysics; Corr. Mbr. Acad.

SHULEYKIN, V. V.

"Connexion between the Elements of the Monsoon Field and the Heat Balance of the Sea," Dok. AN 23, No. 6, 1939.



SHULEYKIN, V. V.

"On The Physical Roots of the Weather," Dok. AN 28, No. 4, 1940.

Black Sea Hydrophysical Sta.; Simeiz, Katziveli; Corr. Mbr., Acad. Sci.

SHULEYKIN, V. V.

"Oscillations of Heat Currents In The Atmosphere And The Unprecedented  
Frosts of 1940," Dok. AN 28, No. 4, 1940.

Marine Dept. Inst. Theoretical Geophysics; Corr. Mbr., Acad. Sci.

SHULEYKIN, V. V.

"On Some Peculiarities of the Long Period Oscillations in a revolving System," Dok. AN 29, No. 3, 1940.

Corr. Mbr., Acad. Sci.; Black Sea Hydrophysical Sta.; Acad. Sci.; Simeiz, Katziveli.

1ST AND 2ND CROSS		PROCESSES AND PROPERTIES INDEX		180 AND 4TH CROSS	
1MS/A+B				1950 C	
<p>2-184 Shuleikin, Vasilii Vladimirovich, Fizika mornia. [Physics of the sea.] Izdat. Akademii Nauk, SSSR, Moscow, 1941. 333 p., 362 figs., equations, fold chart (in pocket). DLC—The 3rd ed. of a text which was first published in 1932. The author is now head of the Hydro-meteorological Service of the USSR. The text could be called "oceanography from the point of view of a meteorologist." An exhaustive and well illustrated text on many aspects of physical oceanography. After a discussion of the dynamics of ocean currents, tides and waves (surface and sub-surface) comes the chapter on "Thermal Properties of the Sea," wherein the effects of radiation, evaporation, exchange of water masses, ice, etc., are taken up systematically in relation to the heat exchange and economy of the sea; followed by over a hundred pages on the subject of "Climate and Weather," containing many interesting charts which show the effect of the seas on the continents and vice-versa. The last chapters comprise the subjects of "Optics of the Sea," "Acoustics," "Molecular Physics," "Biological Physics" and "Technical Physics of the Sea." Emphasis is placed on the Arctic Basin throughout the book. Subject Headings: Physical oceanography, Dynamic climatology, Textbooks.</p>					
ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION					
6X2+1					

SHULEYKIN, V. V.

"The Thermobaric Seishes in the Atmodphere as a Factor of Weather Changes,"

Iz. Ak1. Nauk SSSR, Ser. Geograf. i Geofiz., Nos. 1 - 6, 1942.

SHULEYKIN, V. V.

"Drift Sea Currents In The Monsoon Field," Dok. AN 45, No. 8, 1944.

Corr. Mbr., AS, Marine Hydrophysical Lab., AS.

SHULEYKIN, V. V.

"Convictional Sea Currents in a Monsoon Field," Dok. AN 46, No. 5, 1945.

Marine Hydrophysical Inst.; Acad. Sci.

SHULEYKIN, V. V.

"Seasonal Variations of Air Quantity over a Continent," Comptes Rendus (Doklady)  
Vol. 52, No 5, 1946.

Corr. Mbr. AS



SHULEYKIN, V. V.

"Precise Deduction of the Equation of Thermobaric Waves in the Atmosphere,"  
Dok. AN 53, No. 3, 1946.

Corr. Mbr., Acad. Sci.

1. SHULEYKIN, V. V.
2. USSR (600)
4. Physics and Mathematics
7. Dynamics of the Sea, Vs. A. Berezkin.  
(Leningrad, Hydromet Press, 1947) Reviewed by  
V. V. Shuleykin, Sov. Kniga, No. 2, 1949.

9. [REDACTED] Report U-3081, 16 Jan. 1953. Unclassified

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
AMS/ASB										JAN 1951									
2.1-78										551.513.1:551.46									
Shuleikin, V. V. <i>Toplovo vzaimodelstvie moshba okeanom, atmosferoi i materikom.</i> [Thermal interaction between the ocean, atmosphere and continent.] Akademiia Nauk, SSSR, Izdatel'skiy Sbornik, praviashchennyi 50 letiu Velikoi Oktabr'skoi Sotsialisticheskoi Revoliutsii, Pt. 1, p. 423-442, 1947. 13 figs. <b>DEC</b> —The author describes and illustrates, by means of graphs and anomaly charts, the latest concept of the interrelation between the heat balance of the sea, the atmosphere above the sea and the continents (with special attention to the North Atlantic and Europe). Investigations in the polar regions and aerological observations made it possible to compute the quantitative characteristics of the elements of heat balance, pressure gradients and the speed of monsoon circulation. A theory is presented to explain the complicated processes of exchange of water masses in the ocean. <i>Subject Headings:</i> General circulation, Energy exchange, Oceanography.—M.R.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
E-2																			

SHULEYKIN, V. V.

"Physics of the Sea," Symposium of the Jubilee Session of the Academy of Sci. USSR, from 15 June to 3 July 1945, Vol. 11, 1947 (124-133).

1947, 1948.

"Certain New Laws for Complex Scattering of Light," Dok. Akad. Nauk. SSSR, Nova. Ser.,  
57, No. 3, 1947. Black Sea Hydrophys. Sta. Acad. Sci. USSR, -1947-.

SHULYKIN, V.V., akademik.

Preface. Trudy MOI 1:3 '48.

(MLRA 7:5)

(Russian periodicals)

SHULEYKIN, V. V.

USSR/Academy of Sciences  
Physics  
Mathematics

Feb 1948

"Jubilee Session of the Department of Physicomathematical Sciences" 3 pp

"Vest Ak Nauk SSSR" No 2

Session held 28-29 Oct 1947. The following scientists submitted words: A. F. Ioffe, "Trends of Development of Soviet Physics," M. A. Lavrent'yeva, "Trends of Development of Soviet Mathematics," V. V. Shuleykin, "Trends of Development of Soviet Geophysics," and A. A. Mikhaylov, "Trends of Development of Soviet Astronomy."

PA 66T11

SHULEYKIN, V. V.

FA 1/49T60

USSR/Geophysics--Development

Jul/Aug 48

"Development of Soviet Geophysics," Acad V. V.  
Shuleykin, 17 pp

"Iz Ak Nauk SSSR, Ser Geog i Geofiz" Vol XII,  
No 4

Development of geophysics in USSR is characterized  
by two facts: it was in USSR that whole field of  
geophysics grew, and USSR leads world in discovery  
of new geophysical facts. Presents general  
historical account of development. Submitted 2  
Mar 1948.

1/49T60



SHULEYKIN, V.

② Leo

Meteorological Abst.  
Vol. 5 No. 1  
Jan. 1954  
Part 2  
Bibliography on General  
Oceanographic  
Meteorology

SA-45 ✓

551.465(02)

Shuleikin, Vasilii V. Ocherki po fizike'moria. [Outlines of the physics of the sea.] Moscow, Akademiia Nauk, 1949. 334 p. 190 figs. DLC—A readable yet scholarly presentation of the basic problems of oceanography, with many excellent illustrations (both photographic and schematic) of scores of instruments used in oceanography and hydrography, as well as charts, pertinent scenes, etc. A long chapter at the beginning traces the history of the science from the earliest voyages to the present, with emphasis on instrumentation. The arrangement of the material follows a rational pattern: 1) the sun as source of energy for the atmospheric and oceanic movements, 2) heat or energy exchange in the sea, 3) effect of oceans on continents, 4) recurrent phenomena in the hydrologic cycle, 5) cause or mechanism of ocean currents, 6) wave phenomena, 7) tides, 8) optical and 9) acoustical properties of the sea, and, finally, some problems of marine biology and fisheries. A great deal of original material and research is presented in this smaller and more popular edition of the author's voluminous work "Fizika'moria" (Physics of the sea) (see item 2-184, Feb. 1950, M.I.B.). The author is now chief of the Hydro-meteorological Service of the U.S.S.R. and a member of the Akademiia Nauk. (Same item as 2-148, Aug. 1950, M.I.B.) Subject Headings: 1. Oceanography 2. Hydrography 3. Textbooks.—M.R.

EH  
5/20/54

[illegible]

SHULEYKIN, V. V. , ACAD

PA 156T72

USSR/Meteorology - Air Pressures 21 Apr 49  
Oceanology - Winds

"Mechanism Explaining the Transport of Surplus  
Masses of Air From the Ocean to the Mainland  
and Back," Acad V. V. Shuleykin, Moscow Hydro-  
phys Inst, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXV, No 6

Discusses winter highs over Asiatic mainland  
and summer highs over the oceans, with differ-  
ence of 1/4 ton of air per square meter between  
highs and lows. Treats this phenomenon mathe-  
matically to obtain velocities of air masses,

156T72

USSR/Meteorology - Air Pressures 21 Apr 49  
(Contd)

pressures, and phase-angle lags between fluctua-  
tions (approx 4° for ordinary velocity of 15  
m/sec).

156T72

SHULEYKIN, V. V.

"The Present Status of the Theory of the Ice Field Drift," Pam. Yul. Mikhail. Shokal'skogo, Vol II, Moscow, Izd. Akad Nauk SSSR, pp 63-82, 1950

Translation for Geophysics Res. Library, Cambridge, Mass.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
ANIS/AN B										FEB 1951 I									
<p>22-174  <u>Shubert, V. V.</u>, <u>Pliska moria v kruzg nauch Statisticheskoi opishki</u>. [Physics of the sea as a part of the science of the Stalin epoch.] <u>Akademiia Nauk, SSSR, Izvestiia, Ser. Geogr. i Geofiz.</u>, 14(1):17-24, Jan.-Feb. 1950. 9 figs. <u>DLC</u>—A detailed account of research in physical oceanography carried out during the past two or three decades (brief mention is made of earlier investigations), with particular emphasis on the work done at the Chernomorskala Gidrofizicheskala Stantsiia (<u>Black Sea Hydrophysical Station</u>). Important problems investigated were: (1) the thermal conditions of the sea, (2) wind effects on shores, (3) storm waves on tides, (4) bottom currents, (5) effects of oil in reducing waves, (6) optical conditions in the sea, (7) acoustics, (8) boundary layer conditions in the atmosphere above the sea. Mention is made of a discovery that "shows the fallibility of Western Science," namely: that the color of the sea does not depend on coloring matter in the sea but on the absorption and diffusion of light by the molecules of water and dissolved gases. Finally, it is noted that the <u>Black Sea Geophysical Station</u>, which was demolished during the war, and the <u>Moscow Marine Laboratory</u> are now under the supervision of the <u>Marine Hydrophysical Institute of the Academy of Sciences (Akademiia Nauk, SSSR)</u>. <u>Subject Headings</u>: Oceanography, Oceanographic research laboratories, U.S.S.R.—M.R.</p>																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			

Black Sea  
Hydrophysical  
Station, AN  
SSSR.

Shuleikin, V. V. - Vydeleniye monsonnoi sostavlyayushchey iz obshchikh potokov v atmosfere [Separation of the monsoon component from the general circulation of the atmosphere]. (In) *Akademiya Nauk SSSR, Doklady*, 71 (6):1057-1060, April 1950. 4 figs., 3 refs. Trans. into English by E. R. Hope, issued as *Canada. Defence Research Board, T-248-R*, June 1957, 4 p., 4 figs., etc. (Available for reference DWB.) (For abstract on original, see 2.6-51, June 1951, MAB)

SHULEIKIN, V. V.

178171

USSR/Geophysics - Deviation of Geomagnetic Axis 1 Jan 51

"Terrestrial Magnetic Field and World Ocean," V. V. Shuleikin, Navy Hydrophys Inst, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXVI, No 1, pp 57-60

Attempt is made to explain: (1) deviation of geomagnetic axis from its rotational axis; (2) variations of geomagnetic elements; (3) similarity between contours of continents and isolines of geomagnetic field elements, by means of survey of maritime electric currents.

178171

SHULEYFIN, V. V.

Heat - Convection

Diagram of an oscillation pattern in a convection current. Dokl. AN SSSR. 82, No. 2, 1952.

Morskoy Gidrofizicheskiy Institut

SO: Monthly List of Russian Accessions, Library of Congress, June 1952,<sup>2</sup> Uncl.



USSR/Geophysics - Atmospheric Circulation 11 Mar 52

"The Essence of Certain Oscillations of the General Atmospheric Circulation," Acad V. V. Shuleykin

"Dok Ak Nauk SSSR" Vol LXXXIII, No 2, pp 211-214

At present it is still impossible to analyze completely in the entire extremely complex spectrum any oscillations in the latitudinal and longitudinal components in the currents of the general atmospheric circulation. The author attempts to describe the possible mechanism governing the origin of certain non-damping oscillations which apparently belong to

214T37

a class of self-exciting oscillations. States that there is no need to show how important it is to establish investigations of the processes of heat exchange (austausch) in the atm. Submitted 14 Jan 52

ACAD V. V. SHULEYKIN

214T37

SHULEIKIN, V. V.

USSR/Geophysics - Temperature  
Field, Winter 21 Mar 52

"Winter Temperature Field Over the Sea and Continent for the Case of Variable Coefficient of Exchange" Acad V.V. Shuleikin, Marine Hydrophysics Inst, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol 83, No 3, pp 389-392

States subject problem has been solved here only for the case of the plane; future investigations will be made for the sphere. First attempts to calculate subject field taking into account the interaction of air with the underlying surface gave the

227T38

General characteristics of the ocean's influence on temperature conditions near shores and deep in continents. In this work the author states he is attempting to determine approximately the law governing the variation of conditional heat conduction, using the analysis of temperature field over Australia. Submitted 30 Jan 52.

227T38

SHULEYKIN, V. V.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Isakov, I. S.	"Marine Atlas" (Vol 11)	Geographical Society of the USSR, Academy of Sciences USSR
Shuleykin, V. V.		
Demin, L. A.		
Vorob'yev, V. I.		
Seregin, M. P.		
Yegor'yeva, A. V.		
Smirnova, V. G.		
Kudryatsev, M. K.		
Babakhanov, A. O.		
Rudovits, L. F.		
Volkov, F. G.		
Salishchev, K. A.		
Orlov, B. P.		
Kalesnik, S. V.		
Shvede, Ye. Ye.		
Snezhinskiy, V. A.		
Pogosyan, Kh. P.		
Drozdov, O. A.		

SO: W-30604; 7 July 1954

SHULEYKIN, V.V.

## U S S R .

[Shuleykin, Vasilii Vladimirovich, *Fizika moria*. [Physics of the sea.] Moscow, Akademiia Nauk SSSR, 1953. 989 p. 615 figs. (some col., some fold.), foot-refs., numerous eqs. Fold. chart in pocket. DLC—Since 1941 there has been such a concerted program of investigations in physical oceanography in all maritime countries that the amount of available knowledge of the oceans has more than doubled. So it is not surprising that this monumental work contains nearly 50% more material than the 1941 edition, which in itself was unique in its field. The present work is narrower in scope but more intensive than the equally comprehensive work of SVERDRUP (see 5A-32, Jan. 1954, *MAB*), covering less of the field of chemical, geological and biological oceanography, and more of the physical and meteorological aspects (though in this respect SVERDRUP's book is not to be underestimated). The separate parts (each with 10-20 chapters) cover 1) Dynamics of ocean currents, 2) Dynamics of tides and tidal "waves" (not "tidal waves"), 3) Dynamics of surface and internal waves (80 p.), 4) Thermal properties of the sea (100 p.) including exchange between sea and air, 5) Physical "causes" of climate and weather, 6) Optics of the sea, 7) Acoustics of the sea, 8) Molecular physics of the sea, 9) Biological physics of the sea and 10) Technical physics of the sea. Considerable attention is given to the author's ideas on marine and continental influences on climate, climatic changes, atmospheric waves (theory of thermobaric waves or seiches in the atmosphere), singularities, etc. involving beautiful, colored charts. Some sections are highly theoretical—there being hardly a subject in the book on which the author has not made some original contribution since 1922 (he published several papers in *Akademiia Nauk SSSR, Doklady* in 1954 on Waves in the open sea, when he was well past 70 years of age); for instance Drift of ice field (1938-41), Wave dynamics (1924-54), Thermics (1926-29-31), Optics (1922). He also illustrates many instruments which he has invented. The author does not neglect references to the work of DEFANT, SVERDRUP, KRUMHOLTZ, BJERKNES and ROSSBY, as well as to that of Russian authorities such as SUOKAL'SKII, DOBROKLONSKII, ZUBOV, etc. A few odd subjects such as the "sound of the sea" and the dynamics of fish have practical as well as theoretical interest, and are covered in detail. A good author and subject index is appended. There are over 125 references to the author's own work. *Subject Headings:* 1. Physical oceanography 2. Marine meteorology 3. Textbooks.—M.R.